

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P525933

Luminaire Tested: **IFLD-S-SA2A-940-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525933
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-940-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (32) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

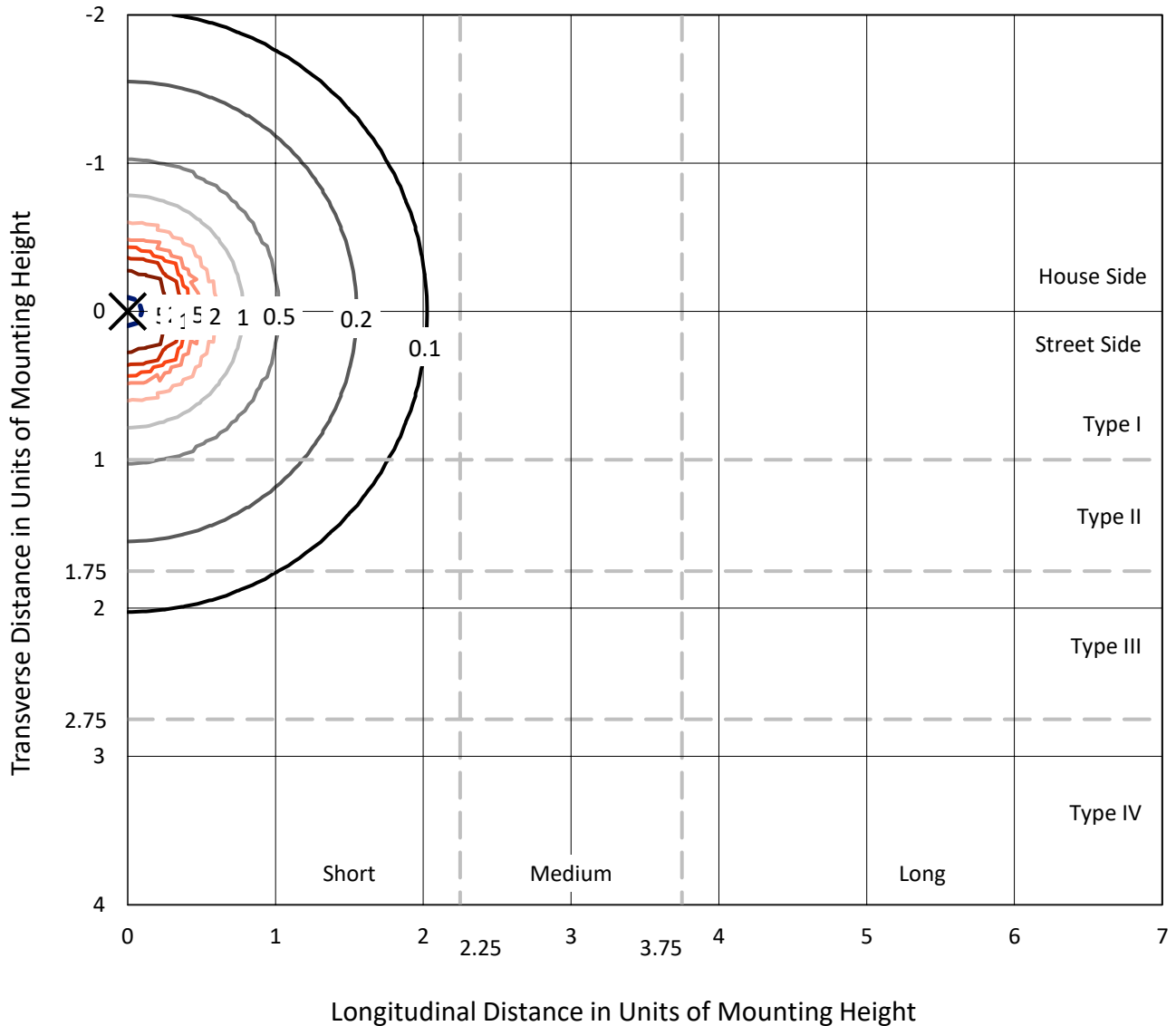
Lumens per Lamp: N/A
Luminaire Lumens: 6816 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 63.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

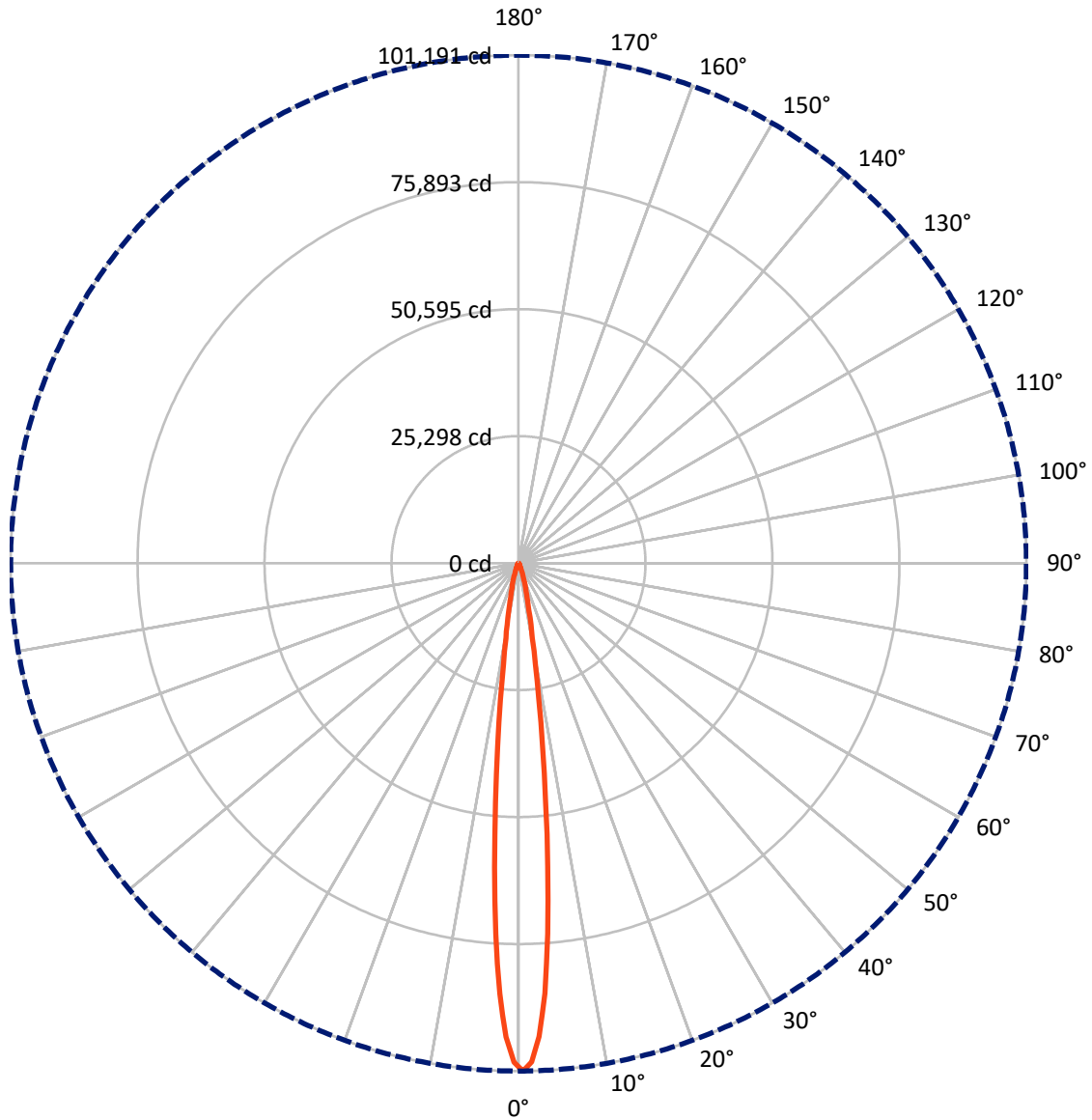
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1011.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3408.0	0.0	3408.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3408.0	0.0	3408.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6816.0	0.0	6816.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4182.2	61.4
10°-20°	1664.1	24.4
20°-30°	383.7	5.6
30°-40°	145.7	2.1
40°-50°	118.9	1.7
50°-60°	114.2	1.7
60°-70°	109.4	1.6
70°-80°	72.4	1.1
80°-90°	25.4	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6816.0	100.0
0°-180°	6816.0	100.0

Coefficient of Utilization



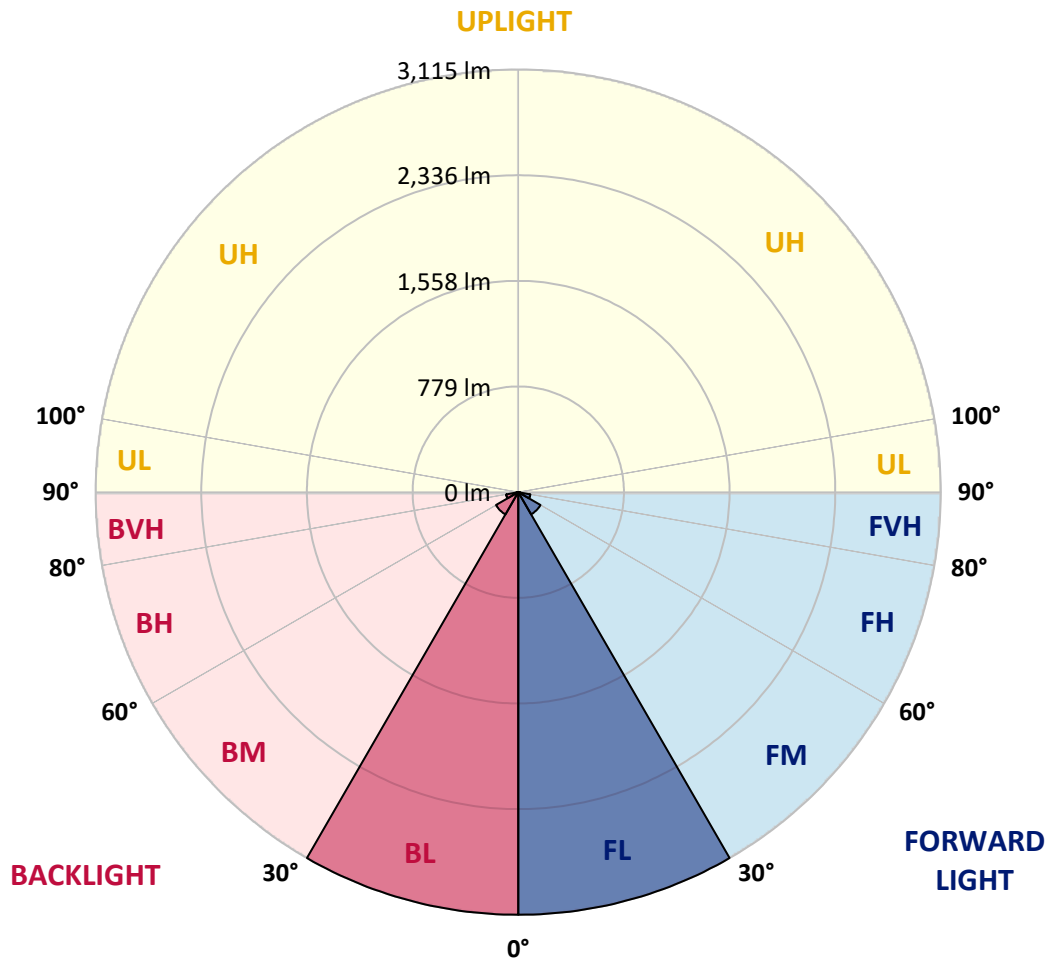
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3115.0	45.7			
FM (30°-60°)	189.4	2.8			
FH (60°-80°)	90.9	1.3			G0/660
FVH (80°-90°)	12.7	0.2			G1/100
BL (0°-30°)	3115.0	45.7	B4/5000		
BM (30°-60°)	189.4	2.8	B0/220		
BH (60°-80°)	90.9	1.3	B0/110		G0/660
BVH (80°-90°)	12.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	101190.7
1°	99410.6
2°	94424.3
3°	85859.8
4°	74084.1
5°	60806.4
6°	47804.7
7°	36621.0
8°	27332.5
9°	20378.1
10°	15196.8
12.5°	8282.5
15°	5314.3
17.5°	3586.2
20°	2132.1
22.5°	1186.1
25°	678.0
27.5°	430.0
30°	310.0
32.5°	253.0
35°	225.0
37.5°	209.0
40°	188.0
42.5°	167.0
45°	149.0
47.5°	140.0
50°	134.0
52.5°	130.0
55°	127.0
57.5°	125.0
60°	121.0
62.5°	118.0
65°	112.0
67.5°	104.0
70°	94.0
72.5°	81.0
75°	68.0
77.5°	56.0
80°	45.0
82.5°	35.0
85°	26.0
87.5°	10.0
90°	0.0

(END OF REPORT)